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N	M			"Us	ser's C	Guide 1	For: C	lass I	Deposi	tion With To	eos," Dr. Arthur K. Hochbe	rg, Schumac	her, 1992.		
7.	<u> </u>			"Ex	trema	OT ®	MCA	TS®,	(Tetra	methylcyclo	otetrasiloxane) Schumacher	, 2000.			
1/	V	L									O ₂ by Decomposition," I				
<u> </u>	L			"Th	ie Der	ositio	n of S	ilicon	Dioxi	de Films at	Reduced Pressure," Adams	s, et al, J. Ele	ctrochem Soc.	1979.	
	1	L		"Pr	eparat	ion of	Devi	ce-qua	lity Si	iO ₂ Thin Fil	ms by Remote," G. Lucov	sky, Adv. M	at. Optics, 199	6.	
	1	. L		"De	epositi	ion of	Silico	n Oxi	de Fili	ns From TE	OS By Low," G. Tochitar	ni, et al, J. V	ac. Sci. Tech. A	, 1993	
	1	L		"Pr	operti	es of S	Silicor	Diox	ide Fi	lm's Deposit	ed at Low," S.K. Ray, et a	d, J. Vac. Sc	i. Tech. B, 1992	2.	
	ı	L		"El	ectron	Cycle	otron]	Reson	ance N	Aicrowave I	Discharge for Oxide," J. E	lectrochem S	Soc. 1992.		
	1	L									p Coverage," CP. Chang			90.	
				"El	ectron	Cycle	otron]	Reson	ance N	Aicrowave I	Discharge for Oxide," C.S.	. Pai, et al, J.	Appl. Phys. 19	93.	
	1										BPSG Using," Schumac				
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rired to respond to a collection of Information unless it contains a valid OMB control number. Under the Paperwork Reduction Act of 199 Complete if Known Substitute for form 1449/PTO **Application Number** 10/602,279 Filing Date 06/23/2003 INFORMATION DISCLOSURE STATEMENT BY APPLICANT First Named Inventor **Steven Gerard Mayorga** (Use as many sheets as necessary) **Art Unit** 1712 **Examiner Name** of Attorney Docket Number 06223P USA Sheet 1 1

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